



## Device Halfwave Antennas WiFi & WiMAX

- Up to 2.3 dBi gain styles with semi-flexible radome and adjustable knuckle
- Single and Dual Band Models for WiFi 802.11 and WiMAX 3.5 GHz
- Sleek molded profile, choice of SMA, TNC or Rev Polarity SMA connectors

These half-wave rubber duck style device antennas require no ground plane for operation. This makes them ideal for use with portable devices or products with no substantial ground plane. They can even be used with products that are built with an all plastic chassis or case.

The PSKN Series antennas use a full length dipole configuration and feature 2.3 dBi gain.

A knuckle feature on the PSKN Series allows the antenna to be adjusted between a straight position and a right-angle 90° position. This is useful for products that may need to be both horizontal and vertical, or where the connector is placed on the side of a radio device.

The PSN3 series are only available in a straight vertical position. This is the optimum choice when the antenna position needs to be in a constant vertical position.

The radome is made of flexible Polyurethane. Standard connector styles available include TNC or SMA. For FCC part 15 compliance, select models offer reverse polarity SMA or reverse polarity TNC connectors.

| Model #                        | Style      | Frequency                    |
|--------------------------------|------------|------------------------------|
| <u>TNC Male Connectors</u>     |            |                              |
| PSKN3-2400T                    | Adjustable | 2400-2485 MHz                |
| PSN3-2400T                     | Straight   | 2400-2485 MHz                |
| <u>SMA Male Connectors</u>     |            |                              |
| PSKN3-2400S                    | Adjustable | 2400-2485 MHz                |
| PSKN3-24/55S                   | Adjustable | 2.4-2.5 GHz<br>& 5.0-6.0 GHz |
| <u>Rev SMA Plug Connectors</u> |            |                              |
| PSKN3-2400RS                   | Adjustable | 2400-2485 MHz                |
| PSKN3-24/55RS                  | Adjustable | 2.4-2.5 GHz<br>& 5.0-6.0 GHz |

| Specifications        |                   |                       |                                              |
|-----------------------|-------------------|-----------------------|----------------------------------------------|
| Frequency:            | See above         | PSKN3-2400:           | 5 3/4 in (146 mm)                            |
| Gain:                 | 2.3 dBi max       | PSKN3-24/55:          | 3 1/8 in (79 mm)                             |
| VSWR:                 | 2:1 over band     | Right Angle Standoff: |                                              |
| Impedance:            | 50 Ohm nominal    | PSKN3-2400            | 1 1/4" inside (32 mm) clearance              |
| Maximum Power:        | 10 Watts          | PSKN3-24/55           | 13/16" inside (21 mm) clearance              |
| Connector:            | See models above  | Shock & Vibration:    | EN 61373, IEEE 1478, MIL-810G<br>TIA-329.2-C |
| Whip Length Straight: |                   | Water Ingress:        | IPx5                                         |
| PSKN3-2400            | 6 1/2 in (165 mm) |                       |                                              |
| PSKN3-24/55           | 3 7/8 in (99 mm)  |                       |                                              |
| Temperature Range:    | -40°C to +85°C    |                       |                                              |
| Case Material:        | Polyurethane      |                       |                                              |
| Whip Length 90°:      |                   |                       |                                              |